Jack T. Wang

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Education

University of California, Berkeley — Expected 2015-2019

- Intended B.A. in Computer Science and B.S. in Business Administration
- 3.91 Overall Academic GPA
- Expected Courses by Summer 2016: Intro to CS and Data Structures; Single Variable Calculus, Differential Equations and Linear Algebra; Economics; Statistics

The Woodlands School in Mississauga, ON, Canada — 2011-2015

- *Summa Cum Laude,* Ontario Scholar, 96 High School Average
- Ontario Enhanced Learning Program - highest academic level
- AP: 5 in Calculus BC and Literature (only 2 AP exams taken); 2320 SAT Composite

Skills

High School Computer Science Class

- Used Java and Object Oriented Programming
- Wrote an employee database project with GUI in Java
- Implemented stacks, queues, linked lists, trees, hashtables and sets data structures

UC Berkeley CS 61A - Structure and Interpretation of Computer Programs

- Used search, sort, and recursion algorithms
- Created active interpreter for Scheme

General Computer Science Knowledge

- Java, C/C++, Python, SQL, CSS/HTML, Scheme and others
- Knowledge of the implementation of stacks, queues, linked lists, trees, hashtables, sets, and buffer data structures
- Knowledge of the implementation of quicksort, memoization, DFS, BFS, and Dijkstra's algorithms

Projects

Scheme Interpreter

- Interpreter for scheme written in python
- Fully tail recursive, completed using tokenizers, buffers, and is valid for all scheme procedures

Employee Database

- Program written in Java to keep track of employees in a company
- Uses object oriented programming, hashtables, GUI, and file I/O

QuizUp!

- Personal project, android app developed using XML and Java
- Exam prep app that allows user to add MC questions and then do them to help study

Employment

ITCAD Tech Inc.

- Secretary for small Canadian IT solutions company
- Wrote business documents, made phone calls to clients, and handled basic administration